



Annual Meeting of ANSS, December 26-30, 1958

The American Nature Study Society organized in 1908, launches the second half century of service to naturalists, conservationists, nature leaders, writers, photographers and teachers, and promotes nature and resource-use education programs.

Convention Headquarters: Shoreham Hotel, Washington, D. C.

Theme: FIFTY YEARS AHEAD

Friday Evening, December 26

8:00 p.m. — Shoreham Hotel. Meeting of the Board of Directors. Open to all members.

Saturday Morning, December 27

- 7:00 a.m. — Executive Committee Breakfast. Shoreham Hotel.
- 8:00 a.m. — All Societies Film Showing. Arranged by EMERY WILL, State Teachers College, Oneonta, New York.
- 9:00 a.m. — Shoreham Hotel. ANSS looks ahead in the light of the first half century. STANLEY B. MULAİK, President-Elect, ANSS, Presiding.
1. Foundation for the Future of ANSS, Based on the Last Half Century. E. LAWRENCE PALMER, Ithaca, N. Y. 15 min.
 2. Education for a Better Future of Conservation and Nature Study. JOSEPH J. SHOMAN, Chief, Education Division, Commission of Game and Inland Fisheries, Richmond, Virginia. 15 min.
 3. Taking the School Out-of-Doors. JOHN BRAINERD, Nature Conservancy, Springfield, Mass. 15 min.
 4. Summer Workshops for the Future. LESTER A. GILES, JR., American Humane Education Society, Boston, Mass. 15 min.
 5. The ANSS and Natural Resources for the Future. IRA N. GABRILESON, President Wildlife Management Institute, Washington, D. C. 15 min.
- Discussion from the floor.

Saturday Afternoon, December 27

- 2:00 p.m. — Shoreham Hotel. An Action Program for the ANSS During the Next Decade. S. GLIDDEN BALDWIN, 1st Vice President ANSS, Presiding.
1. Improving Nature Study at the High School level. REX CONYERS, University City, Missouri. 15 min.
 2. Better Teacher Preparations for Nature Study. VERNE N. ROCKCASTLE, Cornell University, Ithaca, N. Y. 15 min.
 3. Better Nature Interpretation to Visitors in National Forests and Parks. C. W. MATTISON, U. S. Forest Service, Washington, D. C. 15 min.
 4. Better Nature Study in the Elementary School. LAVERNE FULLER, Western Michigan University, Kalamazoo, Mich. 15 min.
- Discussion from the floor.

Saturday Evening, December 27

- 7:00 - 9:00 p.m. — Biologists' Smoker.
- 9:00 p.m. — Shoreham Hotel. Joint Mixer of Science Teaching Societies. Arranged by AUDREY PRESSLER and RICHARD WESTWOOD.

Sunday Morning, December 28

- 9:00 a.m. — Shoreham Hotel. All Societies Film Showing. Arranged by EMERY WILL.
- 10:00 a.m. — Shoreham Hotel. Joint Session. Arranged by ELLSWORTH OBOURN, RICHARD WESTWOOD and ROBERT CARLETON.

Sunday Afternoon, December 28

- 2:30 p.m. — Shoreham Hotel. Theme: Creating a Better Nature Study Teaching Environment to Improve Nature Interest in Schools. What Role Can the ANSS Play in the Next Decade? EMERY WILL, 2nd Vice President, Oneonta, N. Y., Presiding.
1. Making Available More Usable Literature from Government and other Agencies and Organizations. MARTHA MUNZER, Conservation Foundation, N. Y. 15 min.
 2. Recommended Minimum Equipment for Nature Rooms. EDITH CURRY, LaMesa, Calif. 15 min.
 3. Improved Field trips in the City and Country. ROLAND C. ROSS, Los Angeles State College. 15 min.
 4. Newsletters and Related Service, Giving Aids for Better Nature Study Programs. STANLEY B. MULAİK, University of Utah, Salt Lake City, Utah. 15 min.
- 5:00 p.m. — Shoreham Hotel. All Societies Film Showing. Arranged by EMERY WILL.

Sunday Evening, December 28

- 8:00 p.m. — Shoreham Hotel. ANSS Council and Business Meeting.

Monday Morning, December 29

- 8:00 a.m. — All Societies Research Lab Tours. Meet at Shoreham Hotel.
- 12:00 noon — Luncheon at Research Labs.

Monday Afternoon, December 29

- 2:30 p.m. — Shoreham Hotel. Joint Session with NSTA on Elementary Science.

Monday Evening, December 29

- 6:00 p.m. — Shoreham Hotel. Annual ANSS Banquet. RICHARD WEAVER, President, Presiding. ROGER T. PETERSON, Banquet speaker. Topic: Searching for Flamingos on Four Continents.

Tuesday, December 30

- 9:00 a.m. — ANSS Council Meets and All-day Field Trip to Prince William Forest, Virginia. DREW CHICK, Leader of Field Trip. Meet at main entrance of Shoreham Hotel.
- 8:00 p.m. — Kodachrome Showing. ROLAND C. ROSS, Presiding. "CAP'N BILL" VINAL and other members.

AMERICAN NATURE STUDY SOCIETY NEWS LETTER

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December 26-30 Set For Annual Meeting

The Annual Meeting Program arranged by President-elect Stanley Mulaik, which is contained in this Newsletter, should make each of you want to attend. If you are planning to do so, write to the Washington, D. C. Housing Bureau, c/o AAAS Convention, Massachusetts Ave., Washington, D. C. for hotel reservations. All of our meetings will be in the Hotel Shoreham.

Don't miss the interesting talks, the mixer, the exhibits, the films, the kodachrome showings, and the all-day field trip.

Dr. Glidden Baldwin has an honest-to-goodness membership program under way. Let's all help him and the Membership Committee. Why not write Glidden at Catlin, Illinois for some folders and letters to send to your friends whom you feel should be fellow members. An "invite" from you will probably do the trick.

You'll soon receive your ballot for officers for next year. Be sure to vote. Mail your dues to the treasurer at the same time and save a renewal notice.

Richard L. Weaver, President

Forestry and Conservation School

The National School of Forestry and Conservation has been formed to provide technical training in conservation for men unable to afford four years at college. Lessons that are technically sound and of high quality have been prepared and approved by specialists. Three courses are offered: Fish and Wildlife Conservation; Forestry; Soil and Water Conservation. Each course includes 10 lesson units and may be completed in from 7 to 12 months. The school is located in Wolf Springs Forest, Minong, Wis. For details write to Extension School Office at 2144 P Street N.W., Washington 7, D. C.

Littering The Landscape

Litter has been variously described as a blot on the beautiful face of America, a drain on the taxpayer, a threat to health and highway safety, and a national disgrace. These are *costly* by-products of carelessness! And there is still another. Litter is also a fire hazard.

James C. Hullett, former president of the National Board of Fire Underwriters, points out that litter and rubbish account for a substantial part of the nation's overall yearly billion dollar fire loss. The remains and wrappers from a picnic lunch thoughtlessly tossed on the highways, or in parks, forest and recreation areas may involuntarily provide the ammunition for a devastating forest fire. Records for the first six months of 1958 show that 26 per cent or 6,103 out of 23,382 fires were attributed to litter.

Los Angeles reported a 57 per cent decrease in the area's rubbish fires during the past year, as a result of the Los Angeles Beautiful intensive anti-litter program. Every motorist is urged to carry a litterbag in his car and to avoid throwing trash anywhere except in proper receptacles.

* * *

It cost American taxpayers three million dollars to clean up litter from our national forests last year. Remember, litter is a fire hazard so help keep our forests clean, safe and beautiful!

* * *

An excellent film, "Let's Keep America Beautiful" describes how our beautiful countryside, Nature's gift for all to enjoy, is being violated with litter scattered by thousands of thoughtless citizens every year. This is a sound and color film taking twenty minutes to show. The film library of National Audubon Society has a copy of this you may borrow. Write National Audubon Society, 1130 Fifth Avenue, New York 28, N. Y.

Saving Natural Areas

It almost goes without saying that the whole future of natural history as a science is tied to the preservation of natural areas. Usually our museums contain only some part of an animal or the dried specimen of a plant that enables the organism to be identified and classified. The living organisms of which these are symbols exist on a piece of land or water where they have a functional role to play as a member of a closely integrated local plant-animal community. In time all museum specimens will crumble to dust and they can only be replaced if the communities from which they came have been kept going somewhere out on the land.

The science of natural history is still in its infancy. In many cases we are still busy with the preliminary task of collecting, classifying, and naming the various forms of life. The real study of them in terms of their anatomy, physiology, and behavior has just begun. Some, like the fabulous passenger pigeon will never be studied and many secrets of its remarkable life history will never be known. As the study of animal physiology and psychology advances, it is becoming increasingly clear that indoor laboratory studies must always be supplemented with studies of the same animal in its normal environment. One eminent biologist recently put it this way: "Outside the frame of reference of the particular plant-animal community of which the animal is a functional part, it is just a curiously fashioned bit of organic matter with attributes and behavior patterns that are quite meaningless." A completely natural undisturbed sample of the community of which the animal is a part is usually the best and sometimes the only "outdoor laboratory" where such work can be done.

The availability of natural areas is essential to the new science of ecology that is growing so rapidly in importance. On areas long free from human disturbance the plant-animal community possesses a remarkable stability and completeness of integration of all its members. . . . The measurement of the degree of success being achieved in many fields of applied ecology, such as forestry and range management, is dependent on undisturbed check areas. . . . The time during which natural areas can still be acquired is rapidly running out. What we save in the next few years is all that will ever be saved. Once gone, a natural area can never be fully recreated. In America we are currently setting land use patterns that will persist for centuries to come and whether coming

The Bromfield Institute

Louis Bromfield made his Malabar Farm a model of conservation and nutrition practices. His ultimate dream was that Malabar would become a scientific center dedicated to solving problems of man's relation to nature. A place where scientist, farmer, layman, industrialist, student could work, study and help solve the conservation problem. This was his dream, his goal. A dream to be shared by every American.

The Louis Bromfield Institute is the answer to this great man's dream. It will carry on his work, expand his research and welcome all those who can contribute to the advancement of good conservation projects. Located at Malabar it will be a symbol to the world of America's concern for the welfare of humanity and a searching beacon that will seek the answers to the questions:

"Will we be able to produce more and better food for our expanding population?"

"Will we be able to save our land, our minerals, our woodlands?"

"Will we be able to make our water supply last?"

Malabar Farm, Lucas, Ohio, was purchased in July, 1957 by a group of friends and admirers of Louis Bromfield and assigned to the Friends of the Land. A National Development Committee of leaders from every walk of life in America is being formed to help develop, guide and promote the Institute and its objectives. Headed by Louis B. Seltzer, Editor of the Cleveland Press, the Committee includes the Board of Directors of the Friends of the Land. Malabar has been organized to operate a self-sufficient farming and livestock operation under the direction of a Board of Consultants consisting of men who are successful, modern farmers in their own right.

Wooded acreage around Malabar has been purchased. This will be the site of a Nature Trail and natural conservation demonstration for practical lessons in both natural lore and forestry. Workshops in conservation and nutrition and round table meetings of scientific leaders will be held at Malabar.

— Reprinted in part from literature supplied by Friends of the Land.

Have you ever seen white crickets, white lizards, white kangaroo mice? Plan a trip to White Sands National Monument.

generations will bless or berate us depends on how fast we act.

— Reprinted here with the permission of the author, Richard H. Pough of the Natural Area Council, Inc.

Nature and Conservation Notes

Biology Club Activities

Robert L. Smith, high school biology teacher, has sponsored a conservation club for the past seven years. A membership is open to any high school student and at present, the club has 150 active members. This club carries on such projects as: the planting of multi-flora roses and evergreens, a campus beautification project; emergency pheasant feeding in the winter, the erection of wood duck houses, and the cleaning out of the local river.

Motion pictures and Kodachromes are taken of the club activities and are used in the biology classes to show good conservation practices. Such pictures have special meaning since they point out the need for conservation in our own community. Money for club activities comes from gleaning corn in the fall and from dues. Regular field trips are held each month, and we have one business and social meeting each month. The young people show great enthusiasm for this club because they feel it is a club with a purpose.

* * *

Suggestions For Teachers

Edwin F. Saunders contributes the following suggestions for teachers:

The object of promoting learning of living nature is not mainly to satisfy curiosity, but to develop a useful and appreciative knowledge that will enlarge the student's interest and horizon of the immediate natural environment. How can a person really care for something or someone of whom he knows nothing? Good conservation requires appreciative knowledge.

I like the idea of encouraging my students to have a wildflower garden of their own. I have a list of wildflower growers from whom one may buy plants and so save the flowers of the immediate woods, prairies and railroad right of ways from molestation. I have more than 50 species in my wildflower garden and each spring many boys and girls are invited to come and see it.

* * *

Audubon Junior Club Birthday

Audubon Junior Clubs celebrate their 48th birthday this November. Many members of ANSS were very likely once Audubon Junior Members of the National Audubon Society — wore a membership button and participated in these clubs planned for elementary school groups and youth organizations. The children you teach and work with will

find the program today an inspiring and interesting way to explore the outdoors and discover some of the ways each child can help with the conservation of our natural resources, soil, water, plants, and wildlife. For information and membership blanks, write to Junior Clubs, National Audubon Society, 1130 Fifth Avenue, New York 28, New York.

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Nature Hobby Show

The Toledo Naturalists' Association held an open house and a Nature Hobby exhibit on October 18, to try to stimulate interest in natural history as well as to show off its refurbished headquarters. The exhibits brought in by the members, most of whom are amateur naturalists, put particular emphasis on how to know or how to learn about a given field. Resource material in the way of books and pamphlets was available along with the very beautiful displays that were the end product of a nature interest. Dr. E. Laurence Palmer's "Field Book of Natural History" was used as the basis for the nature fields to be exhibited. The displays began with a map of the sky and a demonstration of how to make a telescope and ended with an exhibit of Nature Art and the use of photography as a means of nature education. The open house was well advertised over the school radio system and a gratifying number of students attended.

* * *

About Roland C. Ross

At the December meetings of ANSS, we will be privileged to hear a talk by Professor Roland C. Ross of Los Angeles State College. Roland is a director of ANSS and has held all offices including the presidency of our Western Section. His field courses were so appreciated by his students that they formed a club, the Desomounts, desert-ocean-mountain, to continue these delightful field trips after graduation. The club continues to be very active and is growing all the time. Mrs. Evelyn Gayman, a member of this group, writes of Roland's unusual ability to get people to use all their five senses in learning to know, understand and enjoy the wonders of nature. Roland has had a lifelong interest and curiosity about the natural world beginning in his early rambles through the Vermont hills.

* * *

Greenbrook Sanctuary

Palisades Nature Association is a group of people interested in the preservation of the natural character of the Palisades and the development of a 150-acre sanctuary area, known as the Greenbrook Sanctuary, within Palisades Inter-

state Park. It looks upon the sanctuary as an opportunity to spread the message of conservation to public of all ages.

The Sanctuary, chosen because of its dramatic beauty, accessibility and varied terrain, has a great potential for conservation education because of the vast population in the adjacent metropolitan areas of New York and New Jersey.

Development of the area will be financed through memberships and contributions, while the continuing maintenance will be assumed by Palisades Interstate Park. The Greenbrook Sanctuary area includes trails, a pond, a sphagnum bog, an arboretum, and a scenic overlook. Restoration of all plants native to the Palisades region has already begun in the Sanctuary through plantings and services donated by various interested groups and individuals.

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The Western Sections of the American Nature Study Society and the National Association of Biology Teachers will hold their 1959 meeting in San Diego, California.

* * *

Making Dried Bouquets

The Outdoor Nature Club of Houston, Texas, reports in its "Nature Club Notes" on how to make dried bouquets. "Flowers, grasses or seed pods should be picked on a sunny day, stripped of their leaves and hung upside down in some dry dark place for two weeks. Ferns, dogwood leaves and other foliage can be used as fillers. These can be pressed for two weeks in single sprays between sheets of newspaper weighted down with some flat heavy object. Weeds and wild things from the woods make nice arrangements. Such plants as goldenrod, joepeeweed, foxtail, and sea lavender can all be dried.

The borax method is particularly successful with roses, chrysanthemums, asters and zinnias. Make a mixture of one part borax and six parts cornmeal. Put a layer of this in the bottom of a cardboard box and lay the flowers in with heads down. Cover with more of the mixture and let stand for three or more days. The color remains intact but the petals are thinner and more fragile. Any container suited to the color and shape of the dried arrangement can be filled with sand to hold the components of the design in place. Melted wax poured over the sand will fix them in place.

* * *

"A scientist is born every time a youth is first fired with curiosity concerning the wonders of the world around him. — New York Times Editorial, Nov. 27, 1957.

Let's Camp Next Summer

National Audubon Society announces operation of its four camps in 1959. These camps offer anyone 18 years of age or over the opportunity to learn more about plants, birds, insects and other animals, rocks, soil, water, and how to conserve our natural resources. The learning takes place in beautiful outdoor settings and under the leadership of expert naturalists. Anyone interested to participate in a program of outdoor exploration may enroll for one of five two week sessions from June to September. Campers come from all over the United States and Canada to share experiences and have new adventures in each of the four camps:

- Audubon Camp of California (Norden, California) in the high Sierra country just off U.S. 40 at the summit of Donner Pass.
- Audubon Camp of Wisconsin (Saron, Wisconsin), in a fascinating country of lakes, marshes and bogs in northwestern Wisconsin near Spooner and Rice Lake.
- Audubon Camp of Connecticut (Greenwich, Connecticut) in the picturesque rolling hills of southern Connecticut, just seven miles from Long Island Sound and an hour's drive from New York City.
- Audubon Camp of Maine (Medomak, Maine) on a beautiful wooded island

in Muscongus Bay, 60 miles northeast of Portland.

Address all inquiries to AUDUBON CAMPS, 1130 Fifth Avenue, New York 28, New York.

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The Teachers Conservation Workshop at the Arnot Forest reports its tenth successful season. Conservation is taught here in an outdoor classroom at Cornell University's 4000-acre conservation training center. Enrollment is limited to 50 persons and anyone interested in teaching wise use of our natural resources may enroll. For further information, write Teachers Conservation Workshop, Stone Hall, Cornell University, Ithaca, N. Y.

ANSS Membership Folder

A membership invitation folder is ready to help you persuade your friends to become members of American Nature Study Society. The folder describes the functions of the Society, its meetings, benefits of memberships, lists its officers and board members and contains a membership blank to fill in. Thanks go to Dick Westwood and the American Nature Association for the attractive sketch of the cardinal used on the cover.

These folders will be available to you at the December meetings or write now to Dr. Glidden S. Baldwin, R. R. 1, Catlin, Illinois, and tell him how many you can use.

Application for Annual Membership

Membership in the American Nature Study Society includes a membership card, a quarterly NEWSLETTER and the magazines you select. Please note you can get your membership for less than \$2.00, even free, by selecting the proper group.

GROUP	COST	MEMBERSHIP COST
1	\$2.00 Membership only (NEWSLETTER)	\$2.00
2	3.00 Membership with Cornell Rural Leaflet (4 issues)	2.00
3	4.50 Membership with Canadian Audubon Magazine (5 issues)	1.00
4	5.50 Membership with Canadian Audubon & Cornell Leaflet	1.50
5	5.50 Membership with Nature Magazine (10 issues)	.50
6	6.50 Membership with Nature Magazine & Cornell Leaflet	1.00
7	8.00 Membership with Nature Magazine & Canadian Audubon	free
8	8.50 Membership with Nature Magazine & Canadian Audubon & Cornell Leaflet	free

Circle group desired, send application with name and address and check to

Dr. Howard E. Weaver,
202 Men's Old Gym, University of Illinois, Urbana, Illinois

AMERICAN NATURE STUDY SOCIETY
State Teachers College, Fitchburg, Mass.

Sec. 34.65 (e) P. L. & R.

